3

44WO-US10219. The standard of the standard o

Sixty one nucleic acids encoding PRO polypeptides which are useful in the treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma) and neurodegenerative diseases (e.g. Lein D, Desnoyers L, Eaton DL, Ferrara N; 5, Gao W, Gerber H, Gerritsen ME, Goddard A; ldı CJ, Gurney AL, Hıllan KJ, Kljavin IJ; Paoni NF, Roy MA, Stewart TA, Tumas D; 'o' a' u'i', WPI: 2001-081051/09. N-PSDB; AAF72398.

The CDI AAYIJ3

Claim 9ast, Claim 1; Fig 54; 393pp; English.

N-P. Idm S

Alzheimer's disease)

Parkinson's disease, wound repair, cardiovascular disorders (e.g. endometrial bleeding angiogenesis, ischaemias such as coronary ischaemia, atherosclerosis), inflammatory disorders (e.g. asthma, rheumatoid arthritis, multiple sclerosis), infertility, AIDS and diabetes and retinal disorders such as retinitis pigmentosum. The PRO nucleic acids have applications in molecular biology, including use as hybridization probes, and in chromosome and gene mapping. useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma), gastrointestinal disorders (e.g. enterocolitis), neurodegenerative diseases (e.g. Alzheimer's disease, The present sequence is one of sixty one novel secreted and transmembrane PRO polypeptides. The PRO polypeptides are

347 AA; Sequence

Ö Gaps 1 MALLPSLILAICTRPGFLASPSGVRLVGGLHRCEGRVEVEQKGQWGIVGLDGWDIKDVAV 60 0 luù.u%; Score 1947; DB 22; Length 347; 100.0%; Pred. No. 1.4e-153; Indels 0 0, Mismatches Conservative Best Local Similarity Matches 347, Query Match

61 LCRELGCGAASGTPSGILYEPPAEKEQKVLIQSVSCTGTEDTLAQCEQEEVYDCSHDEDA 120

121 GASCENFESSESEVFEGVELALGIGHCKGFVEVKHÖNGWYTVGGFGWSLFAAKVVGPGLG-180 qq ŝ

181 OGRAVLTOKRONKHAYGRKPINISOMSOSGREATLOFORSGPWGKNTONHOEDIWVEGD 240 181 ogravltgkronkhaygrkpiwlsgmscsgreatlgdcpsgpwgkntonhdedtwveced 240 Š

301 YGPGVGRIWLDNVRGSGEEQSLEDGQHRFWGFHDGTHQEDVAVICSV 347

AAW68200

m

AAW68200 standard; Protein; 347 AA

AAW68200;

07-DEC-1998 (first entry)

SP alpha; scavenger receptor; SRCR; human; antibody; immunoassay; immunomodulator; autoimmune disease; transplant rejection; infection; timmunodeficiency; therapy. /note= "cysteine-rich domain" "cysteine-rich domain" "cysteine-rich domain" Human scavenger receptor protein SP alpha. 20..347 /label= Mat_protein Location/Qualifiers /label= Sig_peptide (BRIM) BRISTOL-MYERS SQUIBB CO. 97US-0039956. .239 346 /note= /note= Aruffo AA, Gebe JA, WPI; 1998-495847/42. N-PSPR; AAV54605 06-MAR-1997; Homo sapiens. WO9839443-A1 05-MAR-1998; 11-SEP-1998 Peptide Protein Domain Domain Domain

scavanger receptor cysteine-rich protein - the antibodies of which can be used to modulate the immune response

Claim 7; Fig 1A-B; 45pp; English

This is the amino acid sequence of a novel protein (see AAW68200), termed SP alpha, that is a member of the scavenger receptor eystene-rich (SPFP) family The sequence was deduced from an isolated cDNA clone (see AAV54605). SP alpha transcripts are found in human bone marrow, spleen, lymph node, thymus and foetal liver but not in non-lymphoid tissues. SP alpha has the same domain organisation as the extracellular realpha composed of 3 SRCK domains. It is capable of binding to cells of the m-nocytic lineage, and appears to be involved in the regulation of monocyte activation, function and/or survival, and is therefore an important component in the immunoregulatory system. Methods of recombinantly producing SP alpha are disclosed. In addition, antibodies reactive with SP alpha are provided, as are methods of using antibodies that bind to SP alpha for modulating the interaction between SPalpha and its receptor. Sp alpha can be used in pharmaceutical compositions to regulate the immune response in, for example, autoimmune disease, viral infections, transplant rejection suppression, tumour cell proliferation suppression, and combined variable immunodefliciency.

347 AA; Seguence

Gaps 0; Length 347; Indels DB 19; 99.8%; Score 1943; DB 19. 100.0%; Pred. w.. Conservative Similarity Matches 346; Query Match Local

.. O

1 MALLFSLILAICTRPGFLASPSGVRLVGGLHRCEGRVEVEQKGQWGTVCDDGWDIKDVAV 60 õ

61 LCRELGCGAASGTPSGILYEPPAEKEQKVLIQSVSCTGTEDTLAQCEQEEVYDCSHDEDA 120 ó

```
stimulating/suppressing, haematopoiesis requiating, tissue growth, activin/inhibin, chemotactic/chemokinetic, haemostatic and thrombolytic, receptor/ligand, anti-inflammatory or timent inhibiting artivity
                                                                                                                                                                                                                                                                                                                                                                                                  differentiation; immune system: slimulator; suppressor; regulator; heamatopolesis; activin; inhibitor; chemotactic; chemokinetic; receptor, haemostatic; thrombolytic; ligand; anti-inflammatory; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW64534-W64558 represent human proteins containing a transmembrane domain. These proteins can be used for, e.g. research and nutrition, may have cytokine and cell proliferation/differentiation, immune
                                                                                                     Transmembrane domain; human; nutrition; cytokine; cell proliferation;
181 CGRAVLTÇRECNEBAYGREPIMLSÇMSTSSREATLQDGFSGFWSKNTONHDEDIWVECED 240
                                                                                                                                          24] PERLFLYGGDNLGSGKLEVLHKGVWGSVOEDNWGEKELKTVVYKGEGGGKSLSFSFFDRKY 308
                                     GASCENPESSFSPVPEGVPLADGPGHCKGPVEVKHQNQWYTVCQTGWSLRAAKVVCRQLG 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human protein having transmembrane domain - useful for, e.g.
                                                                                                                                                                                            Yamaquchi T:
                                                                                                                                                                                                                                                                                                                                                                   Human liver cell clone HP01148 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; Page 95-96; 205pp; English.
                                                                                                                                                                                                                                                                                     AAW64537 standard; Protein; 347 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sekine S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SAGAMI CHEM RES CENTRE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96,TP-0301429
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-JP04056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  N-PSDB; AAV49556, AAV49557
                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        research and nutrition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kobayashi M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1998-297932/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 347 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PPOT-) PROTEGENE
(SAGA ) SAGAMI CHE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9821328-A2
                                                                                                                                                                                                                                                                                                                                          21-0CT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             22-MAY-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                                               AAW64537;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kato S
                                                                                                                                                                                                                                                                        AAW64537
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hes 151;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13 TRPGFL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          735 twets
                                                                                                                                                                                                                                                                                       795 CGWE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   67 CGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  125 ENF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          00 X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a. X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         852 sa
                                                                                                                   q
                                                                                                                                              8
                                                                                                                                                                      pp
                                                                                                                                                                                                ã
                                                                                                                                                                                                                        q
                                           ŝ
                                                                  g
                                                                                            δŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  169 1
                                                                                                                                                                                                                                                                                                                                                 NEX SX RX DARES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           912
```

97.

```
This sequence represents a human protein which contains a SPCP (scavenger receptor, cysteine-rich) domain. The year and encoded protein can be used to display a sequence and protein can be used to display to the nervous system (meduilo-blastoma or glioma) to broast. The DNA sequence and probes derived from it, are used to identify genes that express SRCR-domain and to assess the significance of individual forms on cellular protein can be used to detect the presence of
                                                                                                                                                                                                                                       241 pfdlrlyggdnicsgrlcvihkarwgsvcddnwgekedqvvckqlgcgkslspsfrdrkc 300
                                                                                                                                                                                                                       241 PEDIPLVAGDNIGSARIFVIHYOVWGSVÇDDNWGEKEDQVVGKÇLGGGKSLSPSFRDRKA 300
                                                                                                                                                                              LCRELGCGAASGIPSGILYEPPAEKEOKVLIQSVSCTGTEDTLAQCEQEEVYDCSHDEDA 120
                                                       111 GASCERRESSESPVEBGVRLARGPGHGMGPVKHQNQMYTVCQTGWSLRAAKVVCRQLG 180
                                                                                                                    CGEAVITORFONKHAYORRPIWLSOMSCSGREATLODCPSGPWGKNTONHDEDIWVECED 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cysteine rich domain; SRCR; diagnosis; treatment;
            l mallfslilaictrpgflaspsgvrlvgglhrcegrveveqkggwgtvcddgwdikdvav 60
Proteins containing scavenger receptor, cysteine rich domain useful for diagnosis and treatment of tumours
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scavenger receptor cysteine rich domain; SRCR; diagnosis; tr
nervous system; medullo-blastoma; glioma; breast; detection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           autoantibodies and antibodies which regulate its expression
                                                                                                                                                                                                                                                                                   301 YGPGVGRIWLDNVRCSGEEQSLEQCQHRFWGFHDCTHQEDVAVICS 346
                                                                                                                                                                                                                                                                                                  (DEKR-) DEUT KREBSFORSCHUNGSZENIKUM.
                                                                                                                                                                                                                                                                                                                                                                                            AAW64591 standard; Protein; 1785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 2; Fig 2; 54pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98WU-DE00096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97DE-1000519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               970E-1030997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mollenhauer J, Poustka A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1998-399136/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1785 AA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human SPCP protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                autoantibody; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   N-PSDB; AAV49652
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9830687-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JUL-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-0CT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-JUL-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                            AAW64591;
                                                                                                                                                                   181
                                                                                                                                                                                                                                                                                                                                                                               AAW64591
                                                                                                                                                                                                                                                                                                                                                                                                                                          οy
                                                                                                                                       \Xi
                                                                                                                                                                                                 93
                                                                                                                                                                                                                                                             C.
                    d
                                                ò
                                                                                                          Ö
```

.; O

..

Indels

99.68; Score 1939; DH 19; Length 347; 99.78; Pred No 6 5e-153;

Mismatches

Conservative

345;

Similarity

Local

dotem Ay Match

Simi

1 MALLESLILAICTEPGELASPSGVPLVGGLHPGEGPVEVEQKGGWGTVGDDGWDIKDVAV 60

(without alignments)
1175.079 Million cell updates/sec 1 MALLFSLILAICTRPGFLAS.......RFWGFHLCTHUEDVAVICSV 347 August 20, 2002, 12.57:10 ; Search time 32.8 Seconds 747574 GenCore version 4.5 Copyright (c) 1993 · 2000 Compugen Ltd. Al number of hits satisfying chosen parameters: 747574 seqs, 111073796 residues tein · protein search, using sw model Gapop 10.0 , Gapext 0.5 US-09-964-462A-148 Amum DB seq length: 0 BLOSUM62 score: ing table: nce: .poqo.

Maximum Match 100% Listing first 45 summaries t-processing: Minimum Match 0%

ftabase :

/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1989.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1990.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1991.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1991.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1993.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1994.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1994.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq-geneseq-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/geneseqp-embl/AA1995.DAT:*/SIDSI/gcgdata/hold-geneseq/genes /SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1983.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1984.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1985.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1985.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1987.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1987.DAT:*/SIDSI/gcgdata/hold-geneseg/genesegp-embl/AA1987.DAT:* /SIDS1/gcgdata/hold-geneseq/geneseqp-embl/AA1996.DAT:*/SIDS1/gcgdata/hold-geneseq/geneseqp-embl/AA1997.DAT:* /SIDSI/gcgdata/hold-genescq/genescqp.embl/AA1999.DAT:*/SIDSI/gcgdata/hold-genescq/genescqp-embl/AA1999.DAT:* /SIDS1/gcgdata/hold-geneseg/genesegp-embl/AA1980.DAT:*/SIDS1/gcgdata/hold-geneseg/genesegp-embl/AA1981.DAT:*/SIDS1/gcgdata/hold-geneseg/genesegp-embl/AA1982.DAT:* /SIDSI/jacjdata/hold-geneseq/genese-jp-embl/AAz001.DAT /SIDS1/gcgdata/hold-geneseq/geneseqp-embl/AA2000 A_Geneseq_032802:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

i	Description	THE COURT OF THE C	milino acid seduenc	Human PRO229 prote	Human scavenger re	Human liver cell c	Human SRCR protein	Human sbg14862SPER	Human sbg14862SPER	Human TANGO 234.	Human TANGO 234 AV	A LCC ODINGS GENERAL	PIII 167 OPNINT TIPIIINT	Human polypentide
SUMMARIES			AABB0237	AAW68200	AAW64537	A A W 6 4 5 9 1	TEC SOME	AMECO440	AAE0944/	AABOOU3/	AAB66040	AAB66039	AAMROAGS	CC#6 CM70
ä	1	20	22	19	10	o o	100	10	4 0	4 0	1	ci	C	1
Length		347	347	347	347	1785	400	7.0	200) t	5 7 .	1413	1121	1
8 Query re Match Length DR 1		100.0	100.0	8.66	9.66	37.0	36.9	35.7	, r.) c	n i	35.4	35.2	
Score		1947	1947	1943	1939	721	719	695	691.5	009		080	989	
Result No.	1 1	Н	~1	e	4	5	9	7	œ	σ	, ,	0 ;	11	

Jiang, D. 09/904462 Page 1					Human secreted pro	Human Iuli-length	Human series nasts		Monse serine prote		Rat von Ehner's al	Human Ag153 Yor Of	Human liver cell n	lysyl oxida	30.00			Human secreted pro	Human CG153 (or C5	Human CG153 (or C5	Human lipid metabo	Murine lysyl oxida	Human Iysyl Oxidas	Polypeptide isolat	Urosophila melanog	Human secreted pro		Protein fragment:	_			Human pancreatic c	Human colon cancer	<pre>brosophila melanog</pre>
		AAM412/3	AAM41.80	AAM39494	AAU00396	AABEGORB	AAW99087	AAW83361	AAW99088	AAW83362	AAWU7609	AAE11936	ABB12145	AAB00073	AAG65903	AAB49534	AAW64590	AAB12307	AAE11927	AAE11935	AAELI940	AAB000/8	AAB19127	ARRENGES	30713064	AABOL/00	AAD / 2123	AAB49549	AABOI/84	AAMEESBE	AAMESSI /	AAB54244	AAG/3568	ABBOULTO
	Ċ	10	1 0	4 C) c	1 (1	50	20	0.3	20	18	22	ci	21	22	21	19	[2]	C 1 C	10	3 -	7 [15	1 C	i -	1 5	1.0	17	100	10	1.	77	4 C	1
	1124	1124	1 1 1 4	1100	821	1436	822	875	761	761	1290	608	147	753	753	573	999	641	132	760	757	177	757	1186	40.0) m	1 C	306	10.5	100	1 0	136	111	+
	25.0		 	34.0	34.4	34.1	33.0	33.0	32.5	32.5	29.9	27.3	26 4	24.7	24.7	24.6	24.4	. 4. c	7.6	4 C	1 a	1 C1	23.2	5.5	100	0.00		9.10	. 0	17.7	16.	16.2	15.	
ы	989	989	989	680	699	663	643	643	632	632	F. C. S.	532.5	514	480	480	4/8.5	475	4 / 4	7 / 7	470.5	463.5	453.5	452	446.5	435	435	4.35	426.5	406 5	345	219	+	305.	
a-148.rag	12		14	15	16	17	18	19	020	121	C1 (E :	24	25	26	/7	20 C	σ. ⊂ • π) t.	32	1 m	* * * * * * * * * * * * * * * * * * *	35	36	3.7	oc m) or	. 4	4.	4.2	4.4	4	7.4	

ALIGNMENTS

ARTI3369 standard; Protein; 347 AA. 25.JUN-1999 (first entry) AAY13369, AAY13369

Amino acid sequence of protein pro229.

Collinger Ellison syndrone; gastiointestinal ulceration; congenital microvillus atrophy; skin disease; cell growth; abnormal keratinocyte differentiation; psoriasis; epithelial cancer; Parkinson's disease; Alzheimer's disease; Alzheimer's fibromodulin; dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic; wound healing; tissue repair. Secreted protein; transmembrane protein; human; enterocolitis;

Homo sapiens.

W09914328-A2.

25-MAR-1999.

97US-0059113. 97US-0059115. 97US-0059117. 97US-0059121. 97US-0059121. 97US-0059184. 98WO-US19330. 97US-0059119. 97US-0066840 16-SEP-1998; 25-NOV-1997; 17-SEP-1997 17-SEP-1997 17-SEP-1997 17-SEP-1997 17-SEP-1997

Human polypeptide

```
97US-0063485.
97US-0062814.
97US-0062814.
               970S-0062285.
                                                                                                                                                                                                  970S-0056364.
                                                       970S-0063121.
                                                                                        97US-0063542.
                                                                                                   97US-0063549.
                                                                                                              97US-0063564
                                                                                                                    97US-0063435
97US-0063704
                                                                                                                                               97US-0064215
97US-0063735
                                                                                                                                                                      97US-0064248
                                                                                                                                                                                  97US-0055186
                                                                                                                                                                                      97US-0065846
                                                                                                                                                                                             97US-0065693
                                                                                                                                                                                                             970S-0066772.
                                                                                                                                                                                                                        97us-0066770.
                                                                                                                                                                                                                              97US-0066511.
                                                                                                                                                                                                                                    97US-0066453
          9745-0062125
                                                                  97US-0063128
                                                                       97US-0063324
                                                                                                                              4703-0063732
                                                                                                                                    97US-0063738
                                                                                                                                                           9705-0063870
                                                                                                                                                                97US-0064103
                                                                                   9711S - 0.063547
                                                      1997;
                                                                                                                              1997;
1997;
1997;
                                                                                                                                                               -OCT-1997;
                                                                                                                                                                           NOV-1997;
                                                                       1997;
                                                                                                  1997;
                                                                                                                   1997;
                                                                                                                                               1997;
1997;
                1997;
                           1997;
                                                                                        1997;
                                                                                                              1997;
                      17-0rg-1997
                                           1997
                                                 666
                                                                                                                                                                                      17-NOV-1997
18-NOV-1997
                                                                                                                                                                                                       21-NOV-1997
                                                                                                                                                                                                             NOV-1997
                                                                                                                                                                                                                        24 - NOV - 1997
                                                                                       28-0CT-
28-0CT-
28-0CT-
                                                                                                                                               29-OCT-
                                                                                                                                                                31-OCT-
                                                                                                                                                                                  12-NOV-
                           21-007-
24-007-
24-007-
24-007-
24-007-
24-007-
24-007-
27-007-
27-007-
                                                                                                         28-0CT-
28-0CT-
                                                                                                                                    29 *OCT -
                                                                                                                                                     29-0CT ·
                                                                                                                    29-0CT
                                                                                                                          29-0CT
```

õ

(GETH) GENENTECH INC.

squi ent ent ent is is

Chen J, Goddard A, Gurney AL, Pennica D, Wood WI, Yuan J; WPI; 1999-229533/19. N-PSDR: AAX52240 New isolated human genes and polypeptides used in, e.g. treatment of

Claim 12: Fig 54; 320pp; English

squamou Alzhei the tre

claim The f tran uset

gastrointestinal ulceration

AAV13344-403 represent secreted and transmembrane human proteins.

In conditions are obtained from cDNA libraries, prepared from [4054] The cDNA sequences are obtained from cDNA libraries, prepared from [4054] Inter choosed lettle [405] Interesting the conditions and fetal retination of the conditions are considered on their homology to the repetition of maintenance of gastrointestinal standard with the preservation and maintenance of gastrointestinal conditions and properties are propertied to the properties of the properties and properties are propertied to the properties of the properties and properties are properties and properties and properties are properties and properties are properties and properties are properties and properties and properties are properties and properties are properties and properties are properties and properties are properties and properties and properties are properties and properties are properties and properties and properties are properties and properties and properties are properties and properties and properties and properties are properties and properties and properties are properties and properties and properties and properties are properties and properties and properties and properties and properties and properties are properties and properties and properties and properties are properties anear properties.

ti-thrombotic agent; PRČ287 polypeptides and portions may have

```
0;
therapeutic applications in wound healing and tissue repair; PRO317 can be used for treating problems of the kidney, uterus, endometrium, blood "essels, or related tissue, e.g. in the heart of genital tract.
                                                                                                                                                                                                                                                                                                                                                                                                        GASCENFESSPSTVPEGVFLAFGFGHCKGRVEVKHQNQWYTVCQTGWSLRAAKVVCRQLG 180
                                                                                                                                                                                                                                                                                                                                                                       121 gascenpessfspvpegvrladgpghckgrvevkhgngwytvcgtgwslraakvvcrglg 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             241 PEDLELVISGENDISSELEVLHKGVWISSVIDENWISEKERGVVYKKQLGGGKSLSPSFFEFKT 300
                                                                                                                                                                                                                                                                 61 LORELGOGAASGILSGILZEPERAEKEGKVLIGSVSCTGIELTLAGGEGEEVYDCSHDEDA 120
                                                                                                                                                               Gaps
                                                                                                                                                                                              1 MALLESLILATOTERGELASPSOVELVOGLHROBSRVEVEGERGGWGTVGDDGWDIKDVAV 60
                                                                                                                                                                                                                 0;
                                                                                                                      100.0%; Score 1947; DB 20; Length 347; 100.0%; Pred. No. 1.4e-153;
                                                                                                                                                             Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     301 YGPGVGPIWLDNVPCSGEEQSLEQCQHPFWGFHDCTHQEDVAVICSV 347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                           0; Mismatches
                                                                                                                                                           347; Conservative
                                                                                                                                            Similarity
                                                                    347 AA;
                                                                          Sequence
                                                                                                                            Query Match
Best Local
                                                                                                                                                             Matches
   2222×8
                                                                                                                                                                                                                                                                                                  ΩP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     å
                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                            5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5
```

AAB80237 standard; Protein; 347 AA AAB80237

AAB80237;

(first entry) 24-APR-2001

Human PRO229 protein.

Human, PEC, dermatological, antipsoriatic, cytostatic, antinflammatory; antiparkinsonian tootropic, neuroprotective; vulnerary, cardiant, antiasidadices antiasidadices antirheumatic; cancer; antiasidadices; antirheumatic; antinfertility, antidiabetic; antiviral; diabetes; ephthalmological, gene therapy, skin disease, gastrointestinal disorder.

Homo sapiens.

inflammation.

ischaemia;

WO200104311-A1.

18-JAN-2001.

.U.S.W. - US04414. 99US-0143048 99US-0145698 99W0-0820594 1000 4844 26 - TITL - 1999; (6661 - 1111 - x) 5555T - das - 80

SEWO-USIEL14. 99W0-US20944 -trs21090 99W0-0S21547 68077511-0M66 99WO-US28313 S6008SII-UM66 OMOO 15-SEP-1999; 13-SEP-1999; 15-SEP-1999; 1555 - L.S. - SO 39-NOV-1895 30-NOV-1999

99W0-0830911

20-DEC-1999;

```
GenCore Torsion 4.5

In Protein Search, using sw model

August 20, 2002, 12.57.45 , Search time 13 07 Seconds

(without alignments)

648.444 Million cell updates/sec

187.04-904-44.24-148

tt score: 1947

Action 194

Action 1947

Action 1947

Action 1947

Action 1947

Action 194

Action 1947

Action 1947

Action 1947

Action 1947

Action 194
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		æ				
Result No.	Score	Query Match	Query Match Length	DB	£	Description
	1938	5 66	346	,	US-00-034-016-2	Sequence 2, Appli
7	721	37.0	1785	4	US-09-341-587-3	ω,
٣	588	30 2	101	۲.	-09-034	4
4	586	30.1		m	US-09-034-916-5	'n
5	582.5	29.9	1	Н	-08-470	۲,
9	553	28.4		æ	US-09-034-016-3	٠,
7	480	24.7	753	4	-03-276	ci
80	480	24.7	753	4	US-09-448-076-2	ci
σ	475	24.4	999	4	US-09-341-587-1	,
10	463.5	23.8	754	4	-276	Sequence 8, Appli
11	463.5	23.8	754	4	US-03-448-076-8	œ
12	453.5	13.3	174	4	US-09-276-400-7	7
13	453.5	23.3		4	US-09-448-076-7	′
14	285	14.6		cc		15,
15	282	14.5	100	٣	US-09-034-916-17	Sequence 17, Appl
16	279	14.3	100	m	US-09-034-916-10	10
17	266	13.7	100	m	US-09-034-916-11	11,
18	260.5	13,4		C4	US-08-794-795-2	ci
19		13	495	-	US-08-249-230-2	cì
50	260.5	13.4	520	C1	-0	_
21		13.4	520	4	9-249-200-	9
22		13.3	451	-1	US-08-154-365-2	r i
23	-:		101	m	-034-916-	6
54	252.5	13.0	4.0	-+	US-08-453-117-2	ci
C)	0. CBC	•	(1) (1)	Ci	US-08-948-222 2	ci
C4 'C4	1 1 1 1	٠ ٢ ا	4 c J	€ 1	.08	
17	C 2 C 3 C 4	0. Ed	Li Li	**	U3:69:276:400 10	0.7

0;

0; Gaps

Oucry Match 99.5%, Soure 1938, DB 3, Length 346; Best Loral Similarity 100.0%, Pred No. 2 7e-177; Matches 345, Conservative 6, Mismatches 0; Indels 0

) MOLECULE TYPE: protein US-09-034-916-2

amine acid SY: linear

TYPE: amin TOPOLOGY:

Sequence 10, Applisequence 15, Applisequence 15, Applisequence 7, Applisequence 2, Applisequence 2, Applisequence 16, Applisequence 16, Applisequence 10, Applisequence 10, Applisequence 10, Applisequence 11, Applisequence 13, Applisequence 13, Applisequence 13, Applisequence 12, Applisequence 12, Applisequence 12, Applisequence 12, Applisequence 12, Applisequence 6, Applisequen	PECEPTOR INING POLYPEPTIDE AND MONOCLONAL	30
US-09-448-076-10 FrT-US-6F-080-81-2 US-08-744-795-7 US-09-349-200-7 US-08-392-3678-2 US-08-893-467A-2 US-08-893-467A-2 US-08-893-467A-2 US-08-03-674-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10 US-08-316-714-10	ALIGNMENTS (IS/04934916 ANTHONY W. ANTHONY W. SPALPHA. A NOVEL SCAVENGER RECEPTOR CYSTEINE-PICH DOWNIN-CONTAINING POLYPEPTIDE ANTHOUSES THERETO 17 SS. (6 ASSOCIATES FIELD ROAD, SHITE 200	MS-DUS #1 0, Version #1. /034,916 /039,956
13.0 12.7 12.7 12.7 12.7 12.7 12.7 12.7 13.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0	CODE TO THE PER PER PORT OF PO	In P DA MAR MAR MAR MAR MAR MAR MAR MAR MAR MA
25 2 2 2 4 4 4 4 2 10 5 2 1 6 4 4 4 5 5 1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	RESULT 1 US-09-034-916-2 SEQUENCE 2. Application U PATENT INFORMATION: APPLICANT: GEBE, JOHN APPLICANT: ALBE, JOHN ITLE OF INVENTION: S ITLE OF ALBERT STATE: CALIFORNIA COUNTRY: USA ZIP: 94025 COMPUTER READBLE FORM MEDIUM TYPE: FLOPPY COMPUTER: IBM PC CO	CURRENT APPLICATION OPERATING SYSTEMS: CURRENT APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION OF APPLICATION DA APPLICATION DA APPLICATION DA APPLICATION DA APPLICATION NUMBER FILING DATE: 06-MATCH PROPERTY, ROBERS, ROBERSTENTON NUMBER PERFERENT OF APPLICATION IN TELEPHONE: (650) TELEPHON
	M S D	

qq

6 q 5 <u>a</u> Qγ

ò

Db

ò

gs.

1031 GSWGTVODESWEINDANVVCPQLGGGAAMSAPGNAP--FGQGSGPIVLDPVPGSGNESYL 1088

323 EQCQHRFWGFHDCTHQEDVAVICS 346

ò

```
7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    114-10000 | STANDORD |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    104 BALMANO | 1.11 | 1.11 | 1.11 | 1.11 | 1.12 | 1.12 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | 1.
                                                                                                                                                                                                                                                                                                                      *322 322
                                                                                                                                                                                                                                             62 CRELGCGAASGTPSGILYEPPAEKEQKVLIQSVSCTGTEDTLAQCEQEEVYDCSHDEDAG 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2 ALLFSLILAICTRPGFLASPSGVRLVGGLHRCEGRVEVEQKGQWGTVCDDGWDIKDVAVL 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              56; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13 TRPGFLASPSG-----VRLVGGLHRCEGRVBVRQKGLWGTV1DL%WD1KPVAVL/PRELG NA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               182 GRAVLTQKRCNKHATGRKPIWLSQMSCSGREATLQDCPSGPWGKNTCNHDEDTWVECEDP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   27.0%, Score 721; DB 4; Length 1785, 39.3%; Pred. No. 4.1e-60; tive 41; Mismatches 136; Indels 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       302 GPGVGRIWLDNVR7SGEBDSI BQCQHRFWGFHDCTHQEDVAVICS 346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              301 GPGVGRIWLDNVRCSGEEQSLEQCQHRFWGFHDCTHQEDVAVICS 345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Mollenhauer, Jan
TITLE OF INVENTION: Protein Containing an SRCR Domain
FILE REFERENCE: 4121-108
CURRENT APPLICATION NUMBER: US/09/341,587
CURRENT FILING DATE: 1999-08-31
EARLIER FILING DATE: 1998-01-09
NUMBER OF SEQ. ID NOS: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 3, Application US/09341587
; Patent No. 6346606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                atches 151; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens 3-09-341-587-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
|est Local_Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1785
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-341-587-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER
```

SOLTMAK

APPLIC CLASE

PRLOR

TELE ENERGY

```
SPALPHA: A NOVEL SCAVENCER RECEPTOR STALLHE: AND MONOCLONAL ANTIBODIES THERETO ANTIBODIES THERETO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         139 FLADGPGHFRGPVEVEVEHQNGWTVFQTGWSLFAAFVVGPQLGGGRAVLTQFFCNKHAYGR 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 FLANGEGREPSEVENCHENGMYTVELTSWSLEAAKVVCFGLEDTSFAVLTUPFCNKHAYGE 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 101;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 199 KPIWISEMSCSEMENICECESCEWSKNECHREEFWVECE 239
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30,2%; Score 588; DB 3; I
lou n*; Pred No 4 8e-49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    O, Mismatches
                                                                                                                                                                                                                                                                                                                 SHITE 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENTEZPONTET NUMBER: 5998-0020
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 536
NFF: 105/09/034,916
CLASSIFICATION: 536
NFF: 105/09/034,916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US 60/039,956
FILIG DATE: 06-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: POBINS, ROBERTA L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PG-INS/WS-DOS
1089 WSCPHKGWLTHNCGHHEDAGVICS 1112
                                                                                                                                                                                                                                                                                            HOBINS & ASSOCIATES 90 MIDDIFFIELD FOAD, ST
                                                                                           Sequence 4, Aprillation 19,79934916
Patent No. 6046314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application 09/09034916
Fatent No. 6046314
                                                                                                                                                APPLICANT: GEBE, JOHN A.
APFLICANT: SIADAK, ANTHONY W.
APPLICANT: ARUFFO, ALEJANDRO A.
                                                                                                                                                                                                                                                                                                                                                                                                                              E: Floppy disk
IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PEGISTPATION NUMBER: 33,208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100 DX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (650) 325-7812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (650) 325-7823
INFORMATION FOR SEQ ID NO: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 101, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA: APPLICATION NUMBER: US,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        single
                                                                                                                                                                                                                                                                          CORRESPONDENCE ALDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                    IIILE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                    CALIFORNIA: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Querr Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                 MENLO PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
                                                                                                                              GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                         94025
                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE:
                                                                                                                                              APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-034-916-5
                                                                        US-09-034-916-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-034-916-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                   STPEET
                                                                                                                                                                                                                                                                                                                                                      STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT
qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 in
Ci
```

INFORMATION:

GENERAL

| :: | | | | :: | |